



SEQUENCE LISTING

TECH CENTER 1600/2900

APR 13 2001

#5 RECEIVED

<110> Phenogene Therapeutiques Inc.

<120> Nucleic Acid Molecule, Method and Kit for Selecting a
Nucleic Acid Having A Desired Feature

<130> 2003390-0001

<140> 09/641,931

<141> 2000-08-18

<160> 32

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 1

ggatccaata gaggattctt taac

24

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 2

tcaccactct tctgtccctt c

21

<210> 3

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 3
ggatcctacg aacatgacgac cactg 25

<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized.

<400> 4
tcattcttcgt gtgctagtca g 21

<210> 5
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 5
agcgaattcg tcctgtggac agatcactgc 30

<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 6
gctctcgagg aaggcacagc tgctttccac 30

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 7
cttctcgagc agtttaaacg tgagcttccc 30

<210> 8
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 8
acgtctagat catcttcgtg tgctagtcag 30

<210> 9
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 9
tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg 47

<210> 10
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 10
ccgctccgac acattgccgt gaccagtggg gctgcagatc tgc 43

<210> 11
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 11
gtgtccaagc catcagaggg gaaataaagc atctctacgg tggtcctaaa tagtcagcat 60

<210> 12
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 12
ccagagctca tgcggaccac tcttctgt 28

<210> 13
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 13
tcgcgattta aattaattaa gctt 24

<210> 14
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 14
aagcttaatt aatttaaadc gcga 24

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 15
agacgcgtag atctcacc 18

<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 16
gatccgcacc gcaatatggc 20

<210> 17
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 17
tctagagatg cattatgcac atcag 25

<210> 18
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 18
tccaagccat cagaggggaa ataaagcatc tctacggtgg tcctaaatag tcagcatagt 60

<210> 19
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 19
actatgctga ctatttagga ccaccgtaga gatgctttat ttcccctctg atggcttgga 60

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 20
tagtcagcat agtacatttc 20

<210> 21
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 21
tcgatccgaa ttgcgggccg ctctattgga tcctcgagca gatctgcagc a 51

<210> 22
<211> 148
<212> DNA
<213> Artificial Sequence

<220>
<223> sequence is completely synthesized

<400> 22
agatgaatca agcttatcga taccgctgag catgcatcta ggtgtccaag ccatcagagg 60
ggaaataaag catctctacg gtggctcctaa atagtcagca tagtacattt catctgacta 120
atactacaac accaccacca tgaataga 148

<210> 23
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 23

gagtgggtccg catggtga

18

<210> 24

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 24

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggaatt tcgcgattta aatt

54

<210> 25

<211> 48

<212> DNA

<213> Sindbis virus

<220>

<223> sequence is completely synthesized

<400> 25

tctgcagcac cactgggtcac ggcaatgtgt ttgctcggaa atgtgagc

48

<210> 26

<211> 16

<212> PRT

<213> Sindbis virus

<220>

<223> sequence is completely synthesized

<400> 26

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser

1

5

10

15

<210> 27

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 27

tctgcagcac cactggtcac ggcaatgtgt cggagcggaa atgtgagc

48

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 28

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser

1

5

10

15

<210> 29

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 29

gagagagaga gagtttaaac gtcgactttt tttttttttt tttt

44

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 30

gctaagcttg ctatcggcgg ccgcgagaat tcgt

34

<210> 31

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 31

acgaattctc gcggccgccg atagcaagct

30

<210> 32

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence is completely synthesized

<400> 32

Ser Ala Ala Pro Leu Val Thr Ala Met Cys Gly Ser Gly Asn Val Ser

1

5

10

15

ca 110
circular

Exchange.3120265.1